

Wichita Daily Eagle

SCIENCE AND PROGRESS.

SCIENTIFIC BRIEVITIES AND POPULAR NEWS OF THE DAY.

A Simple Illustration of the Power of Centrifugal Force—A Well Known Optical Illusion Produced by a Tailor.

To show the power of centrifugal force a bottle, filled with water, and then inverted until all the water has apparently run out.

One would naturally say that only two or three drops remained adhering to the interior, but if a sheet of blotting paper is

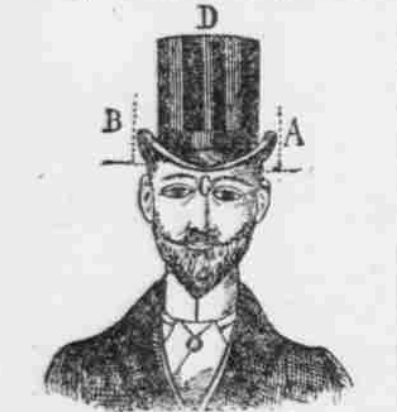


AN INTERESTING EXPERIMENT.

placed on a table, and the bottle—having been firmly grasped as shown in the engraving—is moved rapidly in the arc of a circle, with the mouth directed toward the paper, a surprisingly large number of drops will be found to have been absorbed by it. This is due to a twofold action of the centrifugal force developed by the motion of the bottle. The considerable amount of water adhering to the inside of the bottle is driven out of the mouth, and also broken up into a great number of very small drops, which are absorbed by the blotting paper, giving the impression of much larger drops than their actual size would warrant.

A well known optical illusion is that produced by the common tall or "stove-pipe" hat. Let any one not familiar with the facts in the case try to estimate the comparative lengths of the height and width of such a hat and he will invariably make the vertical distance from one-quarter to one-half greater than the horizontal one. But by actual measurement, as shown in the engraving, the line A-B is longer than C-D; so that the very stylish and well proportioned hat thus shown is really not a "tall" one by any means, but its height is only an optical illusion produced by the projecting curved brim of the hat, which deceives the eye into a false perception of the relation between its different dimensions.

In connection with this subject we may also mention the fact that a horse's head of average size is just the height of an or-



AN OPTICAL ILLUSION.

inary flour barrel, although most persons would require the evidence of an actual measurement before being convinced. The illustrations here employed are from La Nature, while thanks are due to Popular Science News for the description.

Food Statistics.

In an address on the standard of living in the United States, read before the American Association for the Advancement of Science, J. Richards Dodge said:

In the use of food our people are excessive and even wasteful. According to accepted statistics Great Britain consumes on an average meat ration not over two-thirds as large as the American; France scarcely half as large; Germany, Austria and Italy still less. But the laborer's diet is improving in those countries. It has already greatly improved in England. The average consumption of meat in the United States is probably not less than 175 pounds per annum. Of other civilized nations only Great Britain exceeds 100, and many of them scarcely average 50 pounds. The consumption of the cereals, by man and beast, is three times as much, in proportion to population, as in Europe. For the past ten years the average has been 45 bushels for each unit of population, while the usual European consumption does not vary greatly from 16 bushels per annum. While all is not used as food for man, no small part of it contributes to the meat supply.

The average consumption of wheat for bread is nearly five bushels, and about three bushels of maize and one bushel of oats and rye, or approximately nine bushels for each inhabitant. The average European consumption of wheat is about 25 bushels. In the consumption of fruits the difference between this and other countries is marked with unusual emphasis. The consumption of vegetables is not excessive.

A New Craft in Steel.

A novel industry is to be introduced into Leeds, says Popular Science News, by the opening of an establishment for boatmaking on a patent system, which consists of the stamping out of a boat from a single plate of steel. Of course only small craft, such as rowing boats and steam launches, can be made by this process.

Scientific News of the Day.

A French journal tells of a magnet for extracting particles of metal that have penetrated into the skin and eyes of workmen in machine shops.

Experiments made in Austria make it appear that the addition of soda to Portland cement enables it to withstand the action of frost.

Among recent inventions is "floating soap," with a center consisting of a core of small round cork placed end to end, and surrounded by a network of twine.

Popular Science News says: Salicylic acid is certainly not a poison, and it is doubtful if the small amount used in preserving food would have any particular harm. Still, the substance has well marked medicinal qualities, and the daily consumption of even small quantities is not to be recommended.

Wichita Wholesale & Manufacturing Houses.

Wichita Wholesale & Manufacturing Houses.

The houses given below are representative ones in their line, and thoroughly reliable. They are furnished thus for ready reference for the South generally, as well as for city and suburban buyers. Dealers and inquirers should correspond direct with names given.

CHAS. T. CHAMPION,
—WHOLESALE—
SCHOOL BOOKS,
AND SCHOOL SUPPLIES.
Mail Orders will Receive Prompt Attention at
EASTERN PRICES.
118 East Douglas Avenue, - - - - - Wichita, Kansas

GLOBE IRON WORKS,
MANUFACTURERS OF
Steam Engines, Boilers and Pumps, and Dealers in Brass Goods, Rubber and Hemp Packing, Steam Fittings, Etc. Repairing of all kinds of Machinery a Specialty. Orders promptly filled for all kinds of Sheet Iron Work. All kinds of castings made.
A. FLAGG, Proprietor. - - - - - Wichita, Kansas.

The Stewart Iron Works,
MANUFACTURERS OF
IRON FENCING,
Architectural, Wrought and Cast Iron Work for Buildings.
Factory: South Washington Avenue - - - - - Wichita, Kansas.

TO ART DEALERS AND ARTISTS.
Artists' Materials, Pictures, Mountings and Frames
Wholesale and Retail. Catalogues free.
MAIL ORDERS PROMPTLY ATTENDED
F. P. MARTIN, 114 Market St.
404-17 - - - - - TELEPHONE 294

THOMAS SHAW
WHOLESALE DEALER IN
Pianos and Organs
Sheet music and books. All kinds of musical goods. Brass band and orchestra music. 223 Main Street, Wichita, Kansas.

Trimble Bros. & Threlkeld,
WHOLESALE
HARDWARE
Special attention to mail orders.
110 E Douglas, - - - - - Wichita, Kan

D. W. STALLINGS & SONS,
MANUFACTURERS OF
STALLING'S PALMOLIO TOILET SOAP
Disinfects the complexion and keeps the skin soft, smooth, clear and healthy. For sale by druggists and grocers.
526 Chicago Ave. - - - - - Telephone 99

THE JOHNSTON & LARIMER DRY GOODS CO.,
—WHOLESALE—
Dry Goods, Notions and Furnishing Goods.
Complete Stock in all the Departments.
119, 121 & 123 N Topeka Ave. - - - - - Wichita, Kansas.

L. M. COX,
Manufacturing Confectioner,
And Jobber in Flgs, Dates, Cigars, Foreign and Domestic Nuts, Cider, Paper Bags, Paper Boxes, Candy Jars, Trays, Etc.
215 and 217 South Main St. - - - - - Wichita, Kansas

THE C. E. POTTS DRUG CO.
(Formerly Charles E. Potts & Co., Cincinnati, O.)
WHOLESALE DRUGGISTS.
Goods Sold at St. Louis and Kansas City Prices.
233 and 235 South Main Street, - - - - - Wichita, Kansas.

BAKER, BLASDEL & CO.,
COR. MARKET AND FIRST STS., WICHITA, KAN.
Manufacturers, wholesale, transfer and forwarding agents, and dealers in carriages, wagons, farm implements, wind mills, scales, engines and threshing machinery. We have on hand a full line of the following manufacturers' goods that we can ship at quick notice:
Studebaker Bros. Mfg. Co., South Bend, Ind.; Enterprise Carriage Co., Cincinnati, Ohio; Hoover & Gamble, Miamisburg, Ohio; Esterly Harvesting Co., Whitewater, Wis.; Fairbank, Moore & Co., Chicago, Ill.; Walton Plow Co., Bloomington, Ill.; Peckin Plow Co., Peckin, Ill.; Avery Plow Co., Peoria, Ill.; Jno. Dadds Hay Rack Co., Dayton, Ohio; Frick Engine Co., Waynesboro, Penn.; Massillon Thrasher Co., Massillon, Ohio; Kruglorand & Douglas Mfg. Co., St. Louis, Mo.; Huber Engine Co., Marion, Ohio.

THE WICHITA OVERALL AND SHIRT MANUFACTURING CO.
MANUFACTURERS AND JOBBERS OF
Overalls, Jeans, Cassimere and Cottonized Pants; Duck Lined Coats and Vests; Fancy Flannel and Cotton Overalls; Canton Flannel Undershirts, Drawers, Etc.
Factory and Salesroom 139 N. Topeka, Wichita. Correspondence Solicited.

STRAY BITS.
There are 113 places in the United States named after "Mad Anthony Wayne."
The earliest instance of an engraved gem is the emerald ring of Polykrates, 740 B. C.
Pittsburg is properly spelled with a final h, that being the orthography of the city's charter.
In Central park, New York, on a fine afternoon as many as 2,500 saddle horses are ridden.
The banana plant has been found to contain a greater quantity of pure fiber than any of the other numerous vegetable products used for paper making.
A kitten in Hood River, Ore., caught a lizard, and the reptile in attempting to escape ran down its enemy's throat, where it lodged, with fatal result to the cat.
There are but two words in the whole range of the English language containing all of the vowels in their regular order. They are abstemious and facetious.
Almost in the exact geographical center of Wyoming is a mountain of solid hematite iron ore, with 600 feet of it above ground, more than a mile wide and over two miles in length.
Nearly 13,000,000 shad have been planted in the open waters of Georgia during the last two years. The rivers of Georgia are said to be the best in the United States for the propagation of fish.
It is estimated that if the tobacco used in France during a single year were twisted into a cord two inches in thickness it would be long enough to encircle the earth thirty times, following the line of the equator.

DAUGHTERS OF EVE.

Gabrielle Greeley is the only surviving member of the great editor's family.
Miss Helen Gladstone comes to 7 o'clock dinner in a gingham gown and keeps the table in a row.
Mrs. Ella May Barnett, of Honey Brook, Pa., is an ordained minister of the Universalist church.
Lady Ephemia Eglington is causing a sensation in Whitechapel by driving a coterminator's cart.
Rosa Bonheur sold her last picture for

ATCHISON PHILOSOPHY.

Every wrinkle on a man's face looks like a dollar sign.
Before doing a foolish thing remember that the world looks on.
Many times when you are very indignant you are in the wrong yourself.
Many a man has strong good points that

INTERESTING FACTS.

Only one person in 1,000 dies of old age.
Of every 1,000,000 people in the world 900 are blind.
An inch of rain means 100 tons of water on every acre.
There are at least 10,000,000 nerve fibers in the human body.
A needle passes through eighty operations before it is perfectly made.
The smallest known insect, the Pteronotus, is a parasite of the ichneumon.

CHILDREN CRY FOR PITCHER'S CASTOR.

Children Cry for Pitcher's Castor.

W. T. BISHOP & SONS,
WICHITA, KANSAS.
Send us a Trial Order or Call and See Us.

FINLAY ROSS,
WHOLESALE AND RETAIL
FURNITURE, CARPETS, ETC.
The Largest Establishment in the State.
Nos. 119 and 121 Main Street, - - - - - Wichita, Kansas.

GETTO-McCLUNG BOOT AND SHOE CO.,
Manufacturers and Wholesale Dealers in
BOOTS & SHOES.
All goods of our own manufacture warranted. Orders by mail promptly and carefully filled.
135 and 137 N Market Street, - - - - - Wichita, Kansas.

CORNER & FARNUM,
ROYAL SPICE MILLS,
Jobbers and Manufacturers, Teas, Coffee, Spices, Extracts, Baking Powders, Baking, Cigars, Etc.
113 and 114 S Emporia Ave.

McCOMB BROS.,
Manufacturers, Wholesale and Retail Dealers in
SADDLES & SADDLERY HARDWARE.
Correspondence Solicited.
121 E Douglas Ave, Wichita, Kan

BURR FURNITURE CO.,
Wholesale and Retail
FURNITURE
125 East Douglas Ave.

SHAFER & MAHANEY
Wholesale and Retail
Building Materials.
Telephone 161. 18th St. and 4th Ave. Wichita, Kan.

E. VAIL & CO.,
WHOLESALE
WATCHES, JEWELRY,
CLOCKS AND SILVERWARE.
106 E Douglas Ave. - - - - - Wichita.

WICHITA WHOLESALE GROCERY CO.,
Wholesale Grocers,
OFFICE AND WAREHOUSE 214 TO 223 SOUTH MARKET STREET.

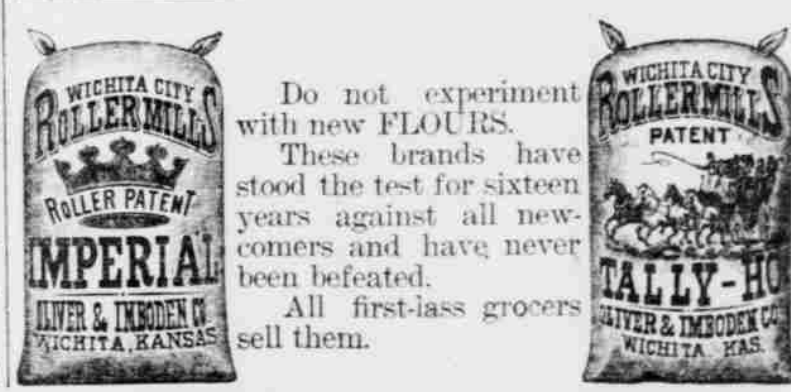
Keep everything in the grocery line, show cases, scales and grocers fixtures. Sole agents for the state for "Grand Republic" cigars, also sole proprietors of the "Royalty" and "La Inocencia" brands.

Wichita Trunk Factory

H. HOSSFELD, Proprietor.
Manufacturer Of, Wholesale and Retail Dealer in
Trunks, Valises, Satchels, Shawl and Trunk Straps, Pocket Books, Willow Ware, Etc.

125 W Douglas.

Do not experiment with new FLOURS. These brands have stood the test for sixteen years against all newcomers and have never been defeated. All first-class grocers sell them.



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is but one of the many in length.

The thickness of the human hair varies from the 25th to the 300th part of an inch; blonde hair is the finest, and red the coarsest.

It is a fact established upon the authority of travelers in different parts of the world that stammering is almost unknown among savage tribes.

In China all the land belongs to the state, and a trifling sum per acre, never altered through long centuries, is paid as rent; this is the only tax in the country, and it amounts to but about sixty cents per head.

FROM OFFICE BOY TO THIEF.

Between Times, however, Washington Ritter Was a Trained Cashier.

Washington Ritter has ended what might have been a prosperous and honorable career in a manner so recklessly criminal as almost to raise the question of his sanity.

Eight years ago, at the age of 17, he entered the employ of the New York brokerage firm of Lapsley & Gallup as an office boy. Bright, willing and capable, he was promoted from time to time until some months ago he received the appointment of cashier at an annual salary of \$1,800. Just after reaching his majority he married Florence Johnson, a pretty Yankee maiden, who is now the mother of his three children. He failed to share the financial prosperity with his wife, however. He neglected her for other women, and at last she was forced to return to the home of her parents.

Young Ritter agreed to contribute \$40 per month to her support, but he broke his promise. Last winter he met a German girl named Mamie Zaun, on whom he bestowed his undivided affections. About the same time he bought a yacht, which was made the headquarters of extremely fast youth of both sexes. He introduced Mamie Zaun to his employers and friends as Mrs. Ritter. The pace became too rapid for the cashier's income, and he tampered with Lapsley & Gallup's bank account. Then he disappeared. At the same time the Zaun girl is not yet 20—dropped out of view. Now detectives are looking for Ritter, and his yacht has been seized. It is said that \$5,000 will more than cover the amount of his stealings.



WASH RITTER.

THE FIREMEN'S MASQOT.

It is an Iron Image Which Has Been Repeatedly Stolen.

Within the past few years a number of thefts have taken place of which no court of justice will ever be asked to take cognizance.

The object of enigma is the iron figure of a fireman. It was first heard of two decades ago at Auburn, N. Y. It rested securely on the top of the Cayuga hose company's house for several years. It was—and is still for that matter—regarded as a mascot, but its owners declared that any company could have it whose members were brave and dexterous enough to steal it without detection or arrest.

A Niagara Falls company accepted the challenge and got away with "the iron man," as it is called. They kept it a year. Then the fire ladders of St. Catharines, Ont., captured it. From their hands the trophy was wrested by a St. Thomas company. After that it went to Hamilton and several other Canadian towns. Some Medina men carried it back to New York state. Lockport got it next. Then it passed to the hands of the Warner Chem-

THE POINT.

From a Catholic Archbishop down to the poorest of the poor, all testify, not only to the

ST. JACOBS OIL.

The Great Remedy For Pain, but to its superiority over all other remedies, expressed thus:

It Cures Promptly, Permanently,

which means strictly, that the pain-stricken seek a prompt relief with no return of the pain, and that they say, St. Jacobs Oil will give. This is its excellence.

Big 4 is no longer a

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Try BEECHAM'S PILLS.
25 Cts. a Box.
OF ALL DRUGGISTS.

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